Notice of Intent to Issue

Amendment 005 to Funding Opportunity Announcement (FOA) No.: DE-PS26-08NT43181 To be issued as FOA number DE-FOA-0000042

2009 American Recovery and Reinvestment Act (ARRA): Clean Coal Power Initiative – Round 3
Carbon Capture and Sequestration from Coal-Fueled Power Plants

The American Recovery and Reinvestment Act (ARRA) of 2009 enacted legislation to create jobs, restore economic growth, and strengthen America's middle class through measures that modernize the nation's infrastructure, enhance America's energy independence, expand educational opportunities, preserve and improve affordable health care, provide tax relief, and protect those in greatest need.

In response to ARRA, the Department of Energy's (DOE) National Energy Technology Laboratory (NETL) intends to issue, on behalf of the DOE Office of Fossil Energy (FE), an amendment to the Funding Opportunity Announcement entitled "Clean Coal Power Initiative – Round 3". DOE plans to issue the amendment in May 2009.

The purpose of the amendment is to re-open the FOA and provide a second Application Due Date in order to make certain programmatic and administrative changes. NOTE: The amendment to the FOA will contain a different FOA number of DE-FOA-0000042.

The Clean Coal Power Initiative Round 3 (CCPI-3) Announcement is seeking advanced coal-based projects that have progressed beyond the research and development stage to a point of readiness for operation at a scale that, once demonstrated, can be readily replicated and deployed into commercial practice within the electric power industry.

The CCPI-3 Announcement is specifically targeting advanced coal-based systems and subsystems that capture and sequester, or put to beneficial reuse, carbon dioxide emissions. The announcement is also open to any coal-based, advanced carbon capture technologies that result in co-benefits with respect to efficiency, environmental, or economic improvements potentially capable of achieving CCPI coal technology performance levels specified in the EPACT 2005, Title IV, Subtitle A, Section 402. DOE's goals in this Announcement are to demonstrate at commercial scale in a commercial setting technologies that (1) can achieve a minimum of 50% capture efficiency and make progress toward a target carbon dioxide capture efficiency of 90 %, (2) make progress toward capture and sequestration at less than 10 % increase in the COE for gasification systems and less than 35 % for combustion and oxycombustion systems, and (3) capture and sequester or put to beneficial reuse a minimum of 300,000 tons per year using a thirty day running average to determine if the project successfully meets the carbon dioxide capture efficiency and the capture and sequestration or beneficial reuse rate requirements of this Announcement.

Coal-based power technologies may produce heat, fuels, chemicals, hydrogen or other useful byproducts in combination with production of electricity. Proposed carbon capture technologies must be integrated within existing or new power plant facilities that use U.S mined coal or coal refuse for at least 55 % of the energy input, use other solid feed stocks such as petroleum coke or biomass for up to 45 % of the energy input, and produce electricity as at least 50 % of the energy output. Carbon dioxide capture, transport, sequestration or beneficial reuse, and monitoring, must be conducted in the United States. Projects must be at a sufficient scale to show the potential for market penetration upon successful demonstration of the technology or concept. Prospective projects must also be integrated with commercial plant operation. DOE is interested in demonstrating leading edge technologies not currently deployed in the utility marketplace, as opposed to new applications of commercial technologies or marginal improvements of commercial technologies or previously demonstrated technologies.

The Funding Opportunity Announcement amendment will be available for viewing at Grants.gov (http://www.grants.gov) and at FedConnect (https://www.fedconnect.net/FedConnect/). Applicants are strongly encouraged to register at these sites to receive notification of announcements posted by the National Energy Technology Laboratory. When the Funding Opportunity Announcement is released, applications will be received through the Fedconnect portal (https://www.fedconnect.net/).

In anticipation of the amendment being released, there are several one-time actions prospective applicants must complete in order to submit an application in response to this Announcement (e.g., obtain a Dun and Bradstreet Data Universal Numbering System (DUNS) number, register with FedConnect, and register with the Central Contractor Registration (CCR)). Due to the likelihood of a short response period, interested applicants are strongly encouraged to ensure these requirements have been met. Detailed information is as follows:

- 1. Applicants must obtain a DUNS number. If your organization does not have a DUNS number, go to the Dun & Bradstreet (D&B) online registration located at http://fedgov.dnb.com/webform/ to receive a number free of charge or call 1-866-705-5711.
- Applicants must register with FedConnect to submit their application. FedConnect website: www.fedconnect.net
- 3. Applicants must register with the CCR. CCR website: http://www.ccr.gov/. The Central Contractor Registration (CCR) collects, validates, stores, and disseminates business information about the Federal Government's trading partners in support of the contract award, grants, and the electronic payment processes.

To see if your organization is already registered with CCR, check the CCR website located at http://www.bpn.gov/ccrinq/scripts/search.asp. You will be able to search CCR by using either your organization's DUNS Number or legal business name. If your organization is already registered, take note of who is listed as the organization's E-Business Point of Contact (E-Business POC). This person will be responsible for registering in FedConnect.

If your organization is not registered in CCR, go to the CCR Website at www.ccr.gov and select the "Start New Registration" option to begin the registration process. Please allow up to 7 days for processing of your registration which includes the IRS validating your Employer Identification Number (Taxpayer Identification Number or Social Security Number). The organization's E-Business POC will be designated during the CCR registrations process. A special Marketing Partner ID Number (MPIN) is established as a password to verify the E-Business POC.

The DOE will not entertain questions at this time. Once the Funding Opportunity Announcement amendment has been released, a "submit questions" feature will be defined.

DISCLAIMER

This Notice is issued so that interested parties are aware of the DOE's intention to issue this Funding Opportunity Announcement. Any of the information contained in this Notice is subject to change.